

WHAT IS CLAIMED IS:

1. A round undulating blade for a shredder;

a periphery;

an undulating blade flank, including at least two cambers having a first curvature
5 and at least two cambers having a second curvature alternatively arranged with respect
to the cambers having the first curvature; and

hooked edges formed on the periphery of the cambers having the first curvature.

2. The round undulating blade for shredder according to Claim 1, wherein the
undulating blade flank of the blade serves to cut paper along a longitudinal direction to
10 form paper strips having double-tapering end, and the hooked edges serve to cut the
strips along a horizontal direction into paper chips.

3. The round undulating blade for shredder according to Claim 1, wherein the
cambers are equally spaced from one another.

4. The round undulating blade for shredder according to Claim 1, wherein the
15 flank is formed with at least one rib protruding towards a direction opposing the
curvature of the cambers at where the rib is formed.

5. The round undulating blade for shredder according to Claim 4, wherein the
at least one rib is formed on the cambers where no hooked edges are formed.

6. The round undulating blade for shredder according to Claim 1, wherein the
20 periphery of the blade is integrally formed into serration.

7. The round undulating blade for shredder according to Claim 1, wherein the
center of the blade is formed with a polygonal hole.

8. The round undulating blade for shredder according to Claim 1, wherein the
blade is made from a sheet metal punched integrally in a punching die.

25 9. A round undulating blade module for a shredder, the blade module including

two round undulating blades, each of the blades comprising:

a periphery;

an undulating blade flank including at least two cambers having a first curvature and at least two cambers having a second curvature alternatively arranged with respect
5 to the cambers having the first curvature; and

hooked edges formed on the periphery of the cambers having the first curvature;

wherein the undulating blades are arranged in such a manner that the cambers having the same curvature of each of the undulating blades face each other.

10 10. The round undulating blade module for shredder according to Claim 9, wherein the cambers of each of the blade flanks are equally spaced apart from one another.

15 11. The round undulating blade module for shredder according to Claim 9, wherein the undulating blade flank of each of the undulating blades of the blade serves to cut paper along a longitudinal direction to form paper strips having double-tapering end, and the hooked edges serve to cut the strips along a horizontal direction into paper chips.

20 12. The round undulating blade module for shredder according to Claim 9, wherein the flank of each of the round undulating blades is formed with at least one rib protruding towards a direction opposing the curvature of the cambers at where the rib is formed.

13. The round undulating blade for shredder according to Claim 12, wherein the at least one rib is formed on the cambers where no hooked edges are formed.

25 14. The round undulating blade for shredder according to Claim 9, wherein the round undulating blades are arranged in such a manner that the cambers of each of the undulating blades formed with the hooked edges join to contact each other.

15. The round undulating blade for shredder according to Claim 9, wherein the periphery of each of the blades is integrally formed into serration.

16. The round undulating blade for shredder according to Claim 9, wherein the center of each of the round undulating blades is formed with a polygonal hole.

17. The round undulating blade for shredder according to Claim 9, wherein the blade module is integrally formed by die-casting.